PROJECT TITLE : CIGARETTE DEVELOPMENT
TECHNICAL REPORT

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363 DELAWARE

Swiss Tar : 3.0
SN : 0.3
Puff count : approx. 7.0
Format : 25/80/7.95

The main development phase is finished.
At present two prototypes (No 10 and No 12) corresponding to the smoke yield and taste objectives are available.
Prototype No 10 is in the direction "Maryland" while prototype No 12 is rather in the direction "Air-Cured" giving some "kick".
The only problem with these two prototypes is the puff count which is too low (6.3 instead of 7.0). New samples were therefore made with a less combustible cigarette paper.
If this attempt will not be successful, the reduction of expanded tobacco in the blend will have to be envisaged.

360 MIAMI

Swiss Tar : 14.0
Flavour development

On the basis of prototype 1P (ref. monthly report of March 1980) a flavour development has been carried out.
Some different types of flavours have been tested on this prototype and submitted to a taste evaluation. Two of them have been chosen by the experts and presented to the responsible people of the Swiss Marketing.
The first flavour (MI-AC-2) is in the direction MLF and the other (BA-AC-2) in the direction CAMEL.
These two products will be tested against each other in a future product test.

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364 CALIFORNIA Swiss Tar : 10.0
SN : 0.8

A new series of prototypes has been produced for the development of this project.
Prototype No 6 reached the objectives of smoke yield and taste. Its characteristics are as follows :

Prototype No	6
Blend : type	American blend
ETNA	18 % of ET-1
PC/AC	the same as MAA-CH

Cigarette specifications

Format	20/80/7.95
Cigarette paper	Pela 54
Filter	MAKPC
Tipping paper	3 colours, 4 x Ml 0.15 . 4.5
Tobacco weight 12 % O.V.	700 mg/cig.
Total RTD (Filter)	105 (71) mm WG
Dilution	16 %

Tobacco analyses

Total alkaloids	1.40 %
Nitrate-N	0.19 %

Smoke analyses

Swiss Tar	10.1 mg/cig.
SN	0.78 mg/cig.
CO	10.5 mg/cig.
NO	0.14 mg/cig.
Puff count	8.0

Next step

This cigarette will be submitted to the Swiss Marketing and then product tested.

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Source: https://www.industrydocuments.ucsf.edu/docs/szml0000

284 MARYLAND

Swiss Tar : 12.0
Puff count : 8.0 (minimum)

Twenty-five different prototypes have been produced for this project. The following parameters have been changed.

a) Blend : with/without expanded stems and additional stems.

b) Filter plasticizer : Estrobond B instead fo Carbowax.

c) Cigarette paper : Pela 54, Pela 130 S, Pela 200, Pela 200 semi-combustible.

d) Tipping paper : Benkert Z4/80 instead of Benkert Z3/60.

Following approval by Panel A this candidate was accepted by Swiss Marketing for a product test.

Prototype No	122
Blend	BRD without expanded stems
Supplies	Filter : BRD standard
	Cigarette paper : Pela 200 semi-combustible
	Tipping : Z3/60
Smoke yield	
Swiss Tar	11.8 mg/cig.
SN	0.92 mg/cig.
Puff count	8.0
CO	14.0 mg/cig.
NO	0.20 mg/cig.
Dilution	7 %

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